

WHAT IS CLAIMED IS:

1. An image and audio reproducing apparatus comprising:

a display device;

5 a storage device which stores a picked-up image data, audio data which is generated before and at a pick-up timing of the image data and time data indicating the pick-up timing;

an audio reproducing device which reproduces the  
10 audio data;

an image reproducing device which reproduces the image data to display an image on the display device; and

a controller which controls the image reproducing  
15 device based on the time data to inform the pick-up timing.

2. The image and audio reproducing apparatus according to claim 1, wherein

the controller controls the image reproducing  
20 device to display the image data when audio data which is generated at the pick-up timing is reproduced.

3. The image and audio reproducing apparatus according to claim 2, wherein

the controller controls the image reproducing  
25 device to display a relationship between a timing when the reproduced audio data is generated and the pick-up timing on the display device.

4. The image and audio reproducing apparatus according to claim 1, wherein

the controller controls the image reproducing device to display a relationship between a timing when  
5 the reproduced audio data is generated and the pick-up timing on the display device.

5. The image and audio reproducing apparatus according to claim 4, wherein

the controller controls the image reproducing  
10 device to display the relationship in a form of one of a bar graph, pie chart and a numerical expression.

6. The image and audio reproducing apparatus according to claim 1, wherein

the controller controls the image reproducing  
15 device to change the image displayed on the display device when audio data which is generated at the pick-up timing is reproduced.

7. The image and audio reproducing apparatus according to claim 6, wherein

the controller controls the image reproducing  
20 device to replace the image displayed on the display device with another image.

8. The image and audio reproducing apparatus according to claim 1, wherein

the controller controls the image reproducing  
25 device to gradually change the image displayed on the display device until audio data which is generated at

the pick-up timing is reproduced.

9. The image and audio reproducing apparatus according to claim 8, wherein the controller controls the image reproducing device to reduce a size of the image displayed on the display device at a start of reproduction of the audio data, and to gradually increase the size of the image displayed on the display device until a time when audio data which is generated at the pick-up timing is reproduced.

10 10. The image and audio reproducing apparatus according to claim 2, wherein

the storage device further stores audio data which is generated after the pick-up timing, and

15 the controller controls the audio reproducing device to reproduce the audio data after a time when the audio data which is generated at the pick-up timing is reproduced.

11. The image and audio reproducing apparatus according to claim 8, wherein

20 the storage device further stores audio data which is generated after the pick-up timing, and

the controller controls the audio reproducing device to reproduce the audio data after a time when the audio data which is generated at the pick-up timing is reproduced, and to gradually change the image displayed on the display device after a time when the audio data which is generated at the pick-up timing is

reproduced.

12. The image and audio reproducing apparatus according to claim 1, further comprising:

5 a selector which selectively disables the controller, and

wherein the controller controls the image reproducing device to display information indicating the pick-up timing on the display device when the selector does not disable the controller.

10 13. The image and audio reproducing apparatus according to claim 1, wherein

the storage device stores plural sets of audio data and image data which are associated with each other, and the apparatus further comprises:

15 a first selector which selects one of sets of audio data and image data stored in the storage device, and wherein

the audio reproducing device reproduces the audio data selected by the selector, and

20 the image reproducing device reproduces the image data selected by the selector.

14. The image and audio reproducing apparatus according to claim 13, further comprising:

25 a determining unit which determines whether the storage device stores audio data which is generated before and at the pick-up timing, and

wherein the controller controls the image

reproducing device to display information indicating the pick-up timing on the display device when the determining unit determines that the storage device stores audio data which is generated before and at the pick-up timing.

15           15. The image and audio reproducing apparatus according to claim 13, wherein the controller comprises a second selector which selects a set of audio data which is generated before and at the pick-up timing and image data and presents the selected set as a selection candidate for the first selector.

10           16. The image and audio reproducing apparatus according to claim 1, wherein the image and audio reproducing apparatus comprises a digital camera comprising:

15                 a pick-up device which picks up an image to output the pick-up image data; and

               a recorder which records an audio sounds to output the audio data.

20           17. An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein, the computer readable program code means comprising:

               computer readable program code means for causing a computer to read a picked-up image data, audio data which is generated before and at a pick-up timing of the image data and time data indicating the pick-up

timing from a storage means;

computer readable program code means for causing  
a computer to reproduce the audio data;

computer readable program code means for causing  
5 a computer to reproduce the image data to display  
an image on a display device; and

computer readable program code means for causing a  
computer to control the image data reproducing program  
code means based on the time data to inform the pick-up  
10 timing.

18. The article of manufacture according to  
claim 17, wherein

the controlling program code means comprises  
computer readable program code means for causing a  
15 computer to control the image data reproducing program  
code means to display the image data when audio data  
which is generated at the pick-up timing is reproduced.

19. The article of manufacture according to  
claim 17, wherein

20 the controlling program code means comprises  
computer readable program code means for causing  
a computer to display a relationship between a timing  
when the reproduced audio data is generated and the  
pick-up timing on the display device.

25 20. The article of manufacture according to  
claim 17, wherein

the controlling program code means comprises

computer readable program code means for causing  
a computer to change the image displayed on the  
display device when audio data which is generated at  
the pick-up timing is reproduced.

5           21. The article of manufacture according to  
claim 17, wherein

the controlling program code means comprises  
computer readable program code means for causing  
a computer to gradually change the image displayed on  
10 the display device until audio data which is generated  
at the pick-up timing is reproduced.

22. An image and audio reproducing method  
comprising the steps of:

reading a picked-up image data, audio data which  
15 is generated before and at a pick-up timing of the  
image data and time data indicating the pick-up timing  
from a storage means;

reproducing the audio data;

reproducing the image data to display an image on  
20 a display device; and

controlling the image data reproducing step based  
on the time data to inform the pick-up timing.